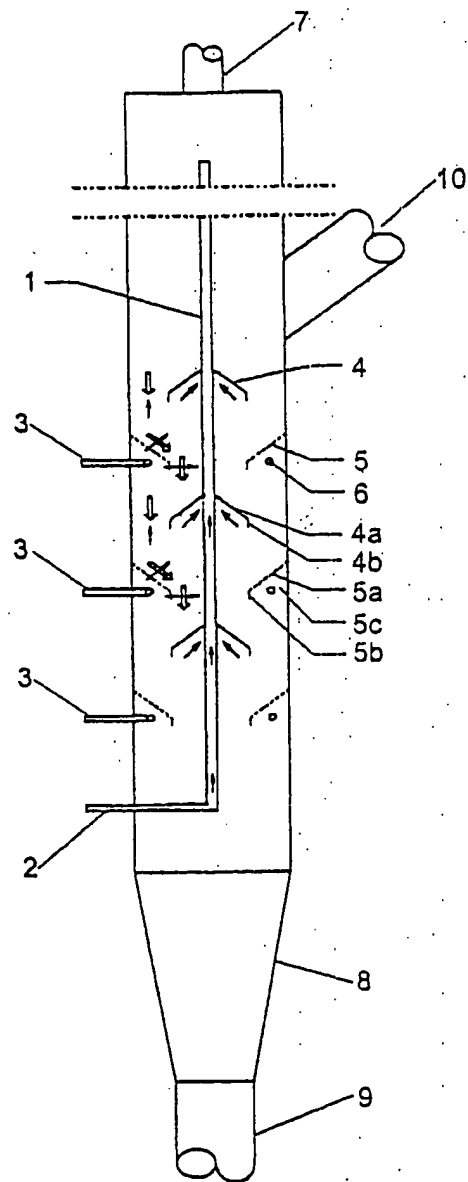


↓ The regenerated catalyst moving direction
↑ The gas flow direction

FIG. 1



↓ The regenerated catalyst moving direction
 ↑ The gas flow direction

FIG. 2